F1 amc'd.

providing a mounting bracket having a pair of mounting posts positionable in contact with the motor assembly and a sleeve housing for receiving a bearing assembly mounted to the rotor;

providing a main housing having a first end, an open second end and an outer wall configured to closely conform to the shape of the motor assembly, the main housing including an end plate having a pair of columns projecting axially from the end plate, the columns being positionable in contact with the stator and adapted to attach to the mounting bracket, wherein the main housing includes a plurality of vents;

positioning the mounting bracket and the motor assembly within the main housing through the open second end of the main housing;

securing the end plate of the main housing to the mounting bracket such that the motor assembly is supported within the main housing free from contact with the outer wall of the main housing and the mounting bracket is supported within the open second end of the main housing;

providing at least one impeller rotatable with the rotor;

providing an end cap attachable to the main housing for encompassing the impeller; and

operating the motor such that rotation of the rotor causes the impeller to rotate to draw a flow of cooling air through the vents in the main housing and along a length of the motor assembly from the first end of the motor housing to the second end of the motor housing, wherein the close spacing between the outer wall of the main housing and the motor assembly directs a curtain of air over the motor assembly to cool the motor assembly.

F2

32. (Thrice amended)A C-frame motor comprising:

a stator having a plurality of electrically conductive laminations, wherein the laminations have portions which define rotor apertures and portions which define radially extended projections;

a rotor having a plurality of laminations and sized to be rotatably received within the rotor apertures of the stator laminations, the rotor being rotatably mounted to a rotor shaft;

Fncl'd.

at least one bobbin having a plurality of coils comprising at least one wound electrical conductor wherein the bobbin is attached to the radially extended projections of the stator;

a mounting bracket including a pair of mounting posts positionable in contact with the stator, wherein the mounting bracket includes a sleeve housing for receiving a bearing assembly mounted to the rotor to rotatably support the rotor shaft;

a main housing having a first end, an open second end, and an outer wall configured to closely conform to and encompass the stator, the rotor and the bobbin, the main housing including an end plate having a pair of columns projecting axially from the end plate, the columns being in contact with the stator and attachable to the mounting bracket to support the mounting bracket within the open second end of the main housing and to support the stator, the rotor and the bobbin within the main housing free from contact with the outer wall, the main housing having a plurality of vent slots formed in the first end;

an impeller mounted to the rotor shaft for rotation with the rotor, wherein rotation of the impeller draws a flow of cooling air in through the vent slots in the main housing and along the length of the motor assembly and out of the second end of the main housing, wherein the close spacing between the main housing and the motor creates a curtain of cooling air that flows axially over the stator, the rotor and the bobbin to cool the motor; and

an end cap attachable to the main housing and configured to encompass the impeller.

REMARKS

The present Amendment, filed along with a Request for Continued Examination, is in response to the final Office Action mailed on March 22, 2002.

In the Office Action, claims 26-32 and 34-39 were rejected under 35 USC §103(a) as being unpatentable over the Zimmermann et al. U.S. Patent No. 2,891,196 in view of the Kruckeberg U.S. Patent No. 3,495,538, which was first cited by the Examiner in this Office Action. Claims 27, 29-31, 35-36 and 38-39 were also rejected under 35 USC §103(a) as being unpatentable over the Zimmermann '196